BRUHAT BENGALURU MAHANAGARA PALIKE (BBMP)

NAME OF WORK : - CONSTRUCTION OF DHYANA MANDIRA AT J P PARK PHASE II IN WARD NO 17

ABSTRACT OF ESTIMATE

Sl No.	PARTICULARS	Cost in INR.
1	2	3
A	CIVIL WORKS	
1	For Construction of Main Building	7,842,506.56
	TOTAL	7,842,506.56
2	Consultancy Charges (PMC) @ 2%	156,850.13
	TOTAL	7,999,356.69
3	Miscellaneous and Rounding Off	643.31
	PHASE I - GRAND TOTAL	8,000,000.00
	RUPEES EIGHTY LAKHS ONLY	

ನಂ.: 49 ದಿನಾಂಕ: 2/8/17

ರೂ. 80=00 lakh [Eighty lakh only

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-72

TECHNICAL SANCTION

Rs. Rupees Eighty lakhs only is accorded under the head: P-211 SFC - 17-18

By CE(R.R.N.) 128/17-18

Registered as CE (R.R.N) No. 36-17 subject to conditions contained in enclosed memo No: 128/17-18 Date: 7/8/2017

TA. CE(R.R.N.)

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BRUHAT BENGALURU MAHANAGARA PALIKE (BBMP)

NAME OF WORK : - CONSTRUCTION OF DHYANA MANDIRA AT J P PARK PHASE II IN WARD NO 17

ESTIMATED COST: RS.80.00 LAKHS

							Area Statement			
							Ground Floor		730.00	Sq mt
							Total		730.00	Sq mt
Sl No	Description of work	Unit	No	Dimensions			Quantity		Rate	Amount
				L	B	D			in Rs.	in Rs.
1	Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and nealty dressed as per specifications									
	(P.No.5, I.No.2.1 of PW,P & IWTD S.R 2016-17)	Cum	1	60.00	16.10	0.15		144.90		
						Say		145.00	169.56	24586.20
2	Earthwork excavation for **foundation** of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width **in IN HARD SOIL** not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications.									
	(P.No.5, I.No.2.4 of PW,P & IWTD S.R 2016-17)									
	For Pedestals Footigs									
	F1		14	1.50	1.50	1.80		56.70		
	F2		28	2.00	2.00	1.80		201.60		
	Sump- 15000 ltrs		1	3.00	5.00	1.80		27.00		
								285.30		
						Say		285.30	305.64	87199.09
3	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge..(KPWD 2016-17 - Item No. - Table – Page No. 140)									
	Debris at site	Cum	1	16.00	60.00	0.45		432.00		
	For 10 Kms -			TOTAL QTY				432.00	108.54	46889.28
4	KSRB 3.2: Providing and injecting chemical emulsion for Pre-constructional **Anti-Termite Treatment**, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor,along the external perimeter of building,expansion joints,over the top surface of consolidated earth on which apron is to be laid,surrounding of pipes and conduits with chloropyriphos emulsifiable concentrates of 20% concentration,including cost of chemical,diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications.(Plinth area of the building at ground floor only shall be measured) Specification No.KBS: 3.2.6 / 3.2.7									
	(P.No.9, I.No.3.2 of PW,P & IWTD S.R 2016-17)		1.00	40.50	--	12.10		490.05		
			1.00	9.50	--	13.10		124.45		
						Say		614.50	111.24	68356.98
5	Providing and laying in position **plain cement concrete of mix 1:3:6 with OPC cement** @ 240kgs, with 40mm & down size graded grinite metel coarse aggregates @ 0.878 cum & fine aggregates @ 0.459 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in **foundation & plinth**, cost of all materials, labour, HOM of machinery, curing complete as per specification.									

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	(P.No.12, I.No.4.2 of PW,P & IWTD S.R 2016-17)								
	For Pedestals Footigs								
	F1		14	1.50	1.50	0.15	4.73		
	F2		28	2.00	2.00	0.15	16.80		
	Below SSM wall		1	104.00	1.50	0.13	19.50		
	Main area- flooring		1.00	40.50	12.10	0.13	61.26		
			1.00	9.50	13.10	0.13	15.56		
	Flagging Concrete		1	300.00	0.90	0.13	33.75		
	Sump		1	3.00	5.00	0.13	1.88		
							153.46		
						Say	153.50	5449.68	836525.88
6	Providing and laying in position **plain cement concrete of mix 1:2:4 with OPC cement** @ 240kgs, with 20mm & down size graded grinite metel coarse aggregates @ .878 cum & fine aggregates @ 0.53 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in **foundation & plinth & Cills** including cost of all materials, labour, HOM of machinery, curing complete as per specification.								
	(P.No.12 I.No.4.6 of PW,P & IWTD S.R 2016-17)	**Cum**							
	Window Cills								
	W		10	1.90	0.20	0.10	0.38		
	Inclined Window IW		4	1.90	0.20	0.10	0.15		
	Grill window in office		1	1.70	0.20	0.10	0.03		
	W1		3	1.90	0.20	0.10	0.11		
	KW		2	1.70	0.20	0.10	0.07		
	V		1	1.70	0.20	0.10	0.03		
	Flagging Concrete finishes		1	300.00	0.75	0.08	16.88		
							17.66		
						Say	17.70	5876.28	104010.16
7	Providing & laying IN POSITION REINFORCED CEMENT CONCRETE of design mix **M25** with OPC cement @ 340 Kgs with down size graded grinite metel coarse aggregates @ 0.70 Cum & fine aggregates @ 0.47 Cum with super plastisiser @ 3.0 Ltrs confirming to IS 9103-1999, re affirmed - 2008, **Maichine mixed,** concrete laid in layers not exceeeding 15cms thick, vibrated for all works in foundation ,Plinth,& Ground floor Level for Roof Slab, Staircase, Lintels, Retaining Wall, Pires, Abutments, Pillers, Posts, Struts, Butteress, String or Lasing Corsess, Prapeets Copings, Bed Blocks, anchor blocks, plain windows cills, fillicts, etc including cost of all materials, laobur HOM of machinary, curing complete as per specification.								
	(P.No.13, I.No.4.10 of PW,P & IWTD S.R 2016-17)								
	For Pedestals Footigs								
	F1		14	1.20	1.20	0.45	9.07		
	F2		28	1.70	1.70	0.60	48.55		
	Pedestals								
	For 350X600 - For Steel Column		42	0.35	0.60	1.50	13.23		
	For Plinth Beam.								
	PB1 [200X380]		1	165.00	0.20	0.38	12.54		
	Extra For Front fins		20	0.60	0.20	0.38	0.91		
	For Lintel.								
	Doors								
	Main Doors - MD		1	2.70	0.20	0.20	0.11		
	Main Doors - MD1		1	1.50	0.20	0.20	0.06		
	Doors - D		4	1.20	0.20	0.20	0.19		
	Windows & Ventilators								
	W		10	1.90	0.20	0.20	0.76		
	Inclined Window IW		4	1.90	0.20	0.20	0.30		
	Grill window in office		1	1.70	0.20	0.20	0.07		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	W1		3	1.90	0.20	0.20	0.23		
	KW		2	1.70	0.20	0.20	0.14		
	V		1	1.70	0.20	0.20	0.07		
	Sump - 15000 ltr base slab		1	2.60	4.60	0.15	1.79		
	Sump - 15000 ltr walls		1	14.40	0.20	1.50	4.32		
	Top Slab		1	2.60	4.60	0.20	2.39		
	Roof Slab over Deck Sheet roofing		1	54.00	13.50	0.13	91.13		
							185.86		
							185.90	6718.68	1249002.61
8	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for **Foundation , footing ,** bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.15, I.No.4.28 of PW,P & IWTD S.R 2016-17)								
	For footings								
	F1		14	4.80	---	0.45	30.24		
	F2		28	6.80	---	0.60	114.24		
	Pedestals								
	For 350X600 - For Steel Column		42	1.90	---	1.50	119.70		
	Sump base slab		1	14.4		0.20	2.88		
							267.06		
							267.10	249.48	66636.11
9	Providing and removing **centering, shuttering,** strutting, propping etc., and removal of form work **for flat surface** such as suspended floors, **roofs, landings, balconies** and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.15, I.No.4.18 of PW,P & IWTD S.R 2016-	Sqm							
	Sump Roof Area		1	2.3	4.3	-	9.89		
						Say	9.90	338.04	3346.60
10	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.15, I.No.4.31of PW,P & IWTD S.R 2016-17)	Sqm							
	Sump Walls		2x2	2.30		1.50	13.80		
			2x2	4.30		1.50	25.80		
							39.60		
						Say	39.60	316.44	12531.02
11	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of **beams,** beam hauncing cantilever girders, bressumers & **lintels** & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.34 of PW,P & IWTD S.R 2016-17)								
	Plinth Beam								
	PB1 [200X380]		2	165.00	---	0.38	125.40		
	Extra For Front fins		40	0.60	---	0.38	9.12		
	Base		15	0.20	---	0.60	1.80		
	Lintel								
	Doors								
	Main Doors - MD		2	2.70	---	0.20	1.08		
	Base		1	0.20	---	2.40	0.48		
	Main Doors - MD1		1	1.50	---	0.20	0.30		
	Base		1	0.20	---	1.20	0.12		
	Doors - D		8	1.20	---	0.20	1.92		
	Base		4	0.20	---	0.90	0.72		
	Windows & Ventilators								

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	W		20	1.90	---	0.20	7.60		
	Base		10	0.20	---	1.70	3.40		
	Inclined Window IW		8	1.90	---	0.20	3.04		
	Base		4	0.20	---	1.70	1.36		
	Grill window in office		2	1.90	---	0.20	0.76		
	Base		1	0.20	---	1.70	0.34		
	W1		6	1.90	---	0.20	2.28		
	Base		3	0.20	---	1.70	1.02		
	KW		4	1.70	---	0.20	1.36		
	Base		2	0.20	---	1.50	0.60		
	V		2	1.70	---	0.20	0.68		
	Base		1	0.20	---	1.50	0.30		
							163.68		
						Say	**163.70**	**276.48**	**45259.78**
12	Providing and laying in position reinforced cement coenrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, @ 0.391 Cum with super super plastisiser @ 0.225 Ltrs maichine mixed well compacted **plain chajja 8.50 Cms** avg thickness, up to ground floor level including removing centering, shuttering, strutting, propping etc., and removal of form work for cost of all materials, laobur HOM of machinary, curing complete as per specification.								
	(P.No.14, I.No.4.20 of PW,P & IWTD S.R 2016-17)								
	W		20	1.9	---	0.60	22.80		
	Inclined Window IW		10	0.2	---	0.60	1.20		
	W1		8	1.9	---	0.60	9.12		
	KW		4	0.2	---	0.60	0.48		
	V		6	1.9	---	0.60	6.84		
							40.44		
						Say	41.00	**555.12**	**22759.92**
13	Providing and **removing centering,** shuttering, strutting, propping etc., for **chajjas**, corbels of all shapes & sizes, at all elevations & heights.								
	(P.No.16, I.No.4.37 of PW,P & IWTD S.R 2016-17)								
	W		20	1.90	---	0.60	22.80		
	Inclined Window IW		10	0.20	---	0.60	1.20		
	W1		8	1.90	---	0.60	9.12		
	KW		4	0.20	---	0.60	0.48		
	V		6	1.90	---	0.60	6.84		
							40.44		
						Say	**41.00**	**291.60**	**11955.60**
14	Extra For providing throating or drip moulding to RCC chajjas with plastreting(labour charges only), as perspecification								
	(P.No.14, I.No.4.21 of PW,P & IWTD S.R 2016-	**M**							
	W		20	1.90	--	--	38.00		
	Inclined Window IW		10	0.20	--	--	2.00		
	W1		8	1.90	--	--	15.20		
	KW		4	0.20	--	--	0.80		
	V		6	1.90	--	--	11.40		
							67.40		
						Say	**68.00**	**21.60**	**1468.80**
15	Providing **TMT Steel reinforcement** for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tieng with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. Specification No.KBS 4.6.3. **FOR TMT Bars Fe- 500**								
	(P.No.17 I.No.4.46.2 of KPWD S.R 2016-17)								

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	For Footings / Pedastal **120 Kg/Cum**						1645.22		
	For Plinth Beams **160 Kg/Cum**						2152.32		
	For Lintel **100 Kg/Cum**						192.40		
	For Roof Slab **70 Kg/Cum**						6378.75		
	Sump @ 120 Kg						1020.72		
	Miscelaneous works						200.00		
							11589.41		
							11.59		
						Say	**11.60**	**76329.00**	**885416.40**
16	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5m. Inluding cost of all labour complete as per speicifications.No.KBS 2.9								
	(P.No.6, I.No.2.10 of PW,P & IWTD S.R 2016-17)								
	For Footings Only 80% of Qty		--	--	--	--	228.24		
						Say	**229.00**	**137.16**	**31409.64**
17	Providing and constructing load bearing wall solid concrete blocks having block density not less than 1800 kg / M3 having a minium compressive strength not less than 4.0 n / mm2 conforming to I.S: 2572: 2005 including cost of materials, labour charges, scaffolding, curing complete as per specifications. with solid block of size 400x 200 x200 mm								
	(P.No.25, I.No.5.27.1 of KPWD S.R 2016-17)	**Sqm**							
	Outer Main Walls		1	140.00	--	3.80	532.00		
	Inner Main Walls		1	40.00	--	3.80	152.00		
	Stage		1	20.00		1.00	20.00		
							704.00		
	Deduction of openings.								
	Doors								
	Main Doors - MD		1	2.40	--	2.40	5.76		
	Main Doors - MD1		1	1.20	--	2.10	2.52		
	Doors - D		4	0.90	--	2.10	7.56		
	Windows & Ventilators								
	W		10	1.70	--	1.80	30.60		
	Inclined Window IW		4	1.70	--	1.80	12.24		
	Grill window in office		1	1.50	--	1.50	2.25		
	W1		3	1.70	--	1.50	7.65		
	KW		2	1.50	--	1.00	3.00		
	V		1	1.50	--	0.60	0.90		
							72.48		
						Net Qty	631.52		
						Say	**632.00**	**1011.96**	**639558.72**
18	Providing & Constructing Granite/ trap/basalt size stone Masonary in Foundation with Cement morter 1:6 edges of stone hammer dressed in courses not less than 15 cms high, bond stones at two mtr apart in each course including cost of all materials, labour, curing complete as per specifications								
	(P.No.23, I.No.5.9 of PW,P & IWTD S.R 2015-1	**Cum**							
	Foundation-		1	135.00	0.60	0.45	36.45		
			1	135.00	0.45	0.45	27.34		
	Partiation walls		1	45.00	0.45	0.23	4.66		
							68.45		
						Say	69.00	**5405.00**	**372945.00**

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
19	Providing **18mm thick cement plaster** in single coat with cement **mortor 1:3** to Brick masonary including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.- **External Plastering**								
	(P.No.113, I.No.15.15 of PW,P & IWTD S.R 201	**Sqm**							
	Total Main Outside wall		1	140.00	--	4.30	602.00		
	Roof Screed on top to slope		1	54.00	13.50	--	729.00		
							1331.00		
	Deductions for openings								
	Main Doors - MD	0.5	1	2.40	--	2.40	2.88		
	Windows & Ventilators								
	W	0.5	10	1.70	--	1.80	15.30		
	Inclined Window IW	0.5	4	1.70	--	1.80	6.12		
	W1	0.5	3	1.70	--	1.50	3.83		
	KW	0.5	2	1.50	--	1.00	1.50		
	V	0.5	1	1.50	--	0.60	0.45		
							30.08		
						Net Qty.	1300.93		
						Say	1301.00	263.52	342839.52
20	Providing **18mm** thick cement plaster in single coat with cement mortor **1:4, to brick masonry** including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(**internal)**								
	Providing floating coat of cementto plastering finishing smooth including cost of materials, labour, curing complete as per specifications								
	(P.No.113, 115 & I.No.15.16 &15.32 of KPWD S	**Sqm**							
	Main Prayer hall		2	40.50	12.10	4.00	420.80		
	Entance Lobby		2	5.30	9.50	4.00	42.40		
	Office		2	4.50	3.30	4.00	36.00		
	Kitchen / Utility		2	3.00	9.50	4.00	24.00		
	Store		2	2.50	3.20	4.00	20.00		
	Room		2	1.80	3.20	4.00	14.40		
	Walls infront of office & store		2	4.50	2.60	4.00	36.00		
	Chajjas								
	W		20	1.90	--	1.20	45.60		
	Inclined Window IW		10	0.20	--	1.20	2.40		
	W1		8	1.90	--	1.20	18.24		
	KW		4	0.20	--	1.20	0.96		
	V		6	1.90	--	1.20	13.68		
	Sump tank - base & top		2	2.60	3.60	--	18.72		
	walls		1	12.40		1.50	18.60		
							711.80		
	Deductions for openings								
	Doors								
	Main Doors - MD	0.5	1	2.40	--	2.40	2.88		
	Main Doors - MD1	0.5	1	1.20	--	2.10	1.26		
	Doors - D	0.5	4	0.90	--	2.10	3.78		
	Windows & Ventilators	0.5							
	W	0.5	10	1.70	--	1.80	15.30		
	Inclined Window IW	0.5	4	1.70	--	1.80	6.12		
	Grill window in office	0.5	1	1.50	--	1.50	1.13		
	W1	0.5	3	1.70	--	1.50	3.83		
	KW	0.5	2	1.50	--	1.00	1.50		
	V	0.5	1	1.50	--	0.60	0.45		
							36.24		
							675.56		
						Say	680.00	259.20	176256.00

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
21	Providing and laying flooring using prepolished ,Water cut/gang saw 19mm thick granite laid over existing floor in CM 1:4 at 20mm thick avg and pointed with white/grey pigment etc.,complete using black granite/multi-Red/Ruby Red/Black/ of width not less than 900mm								
	(P.No.107, I.No.14.47.2 of PW,P&IWTD SR 2016-17)	Sqmt							
	Main Prayer hall		1	40.50		12.15	492.1		
	Entance Lobby		1	5.30		9.50	50.4		
	Skirting		1	134.9		0.15	20.2		
							542.4		
						Say	**543.00**	**2485.08**	**1349398.44**
22	Providing **vitrified tiles 60x60cms of approved make,** shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cemnt using colour pigment, including cost of materials, labour, curing complete as per specification.								
	(P.No.107, I.No.14.45 of PW, P&IWTD S.R 2016-17)	Sqmt							
	Office								
	Kitchen / Utility		1	4.50		3.30	14.9		
	Store		1	3.00		9.50	28.5		
	Room		1	2.50		3.20	8.0		
	Infront of office & strore		1	1.80		3.20	5.8		
	Skirting		1	4.50		2.60	11.7		
			1	76.20		0.15	11.4		
							80.2		
						Say	**90.00**	**1200.96**	**108086.40**
23	Providing and fixing of wall cladding using 20 mm thick gang saw watercut LAKARED Granite for cladding in CM 1:4 proportion cut to required shape patron with paperjoint finished with cement mortar using white cement and colourpigments to match the colour of slab making through jointing with sealant, grooves in joints including curing etc., complete								
	(P.No.109, I.No.14.60 of PW, P&IWTD S.R 2016-17)	Sqmt							
	For allround of alter room 2 sides		2	18.30		2.10	76.9		
	For allround stage		1	20.00		1.00	20.0		
							96.9		
						Say	**97.00**	**3990.60**	**387088.20**
24	Providing full nosing for 20mm thick granite slab using required machinery including cost & conveyence of all materials, labour for all items of work , HOM of equipmentset,m complete as per specification								
	(P.No.108, I.No.14.55 of PW, P&IWTD S.R 2016-17)	m							
	fullnosing		2	20.00			40.0		
							40.00	**257.04**	**10281.60**
25	Providing Half nosing for 20mm thick granite slab using required machinery including cost & conveyence of all materials, labour for all items of work , HOM of equipmentset,m complete as per specification								
	(P.No.109, I.No.14.56 of PW, P&IWTD S.R 2016-17)	m							
	Half nosing for steps wall cladding area		1	100.00			100.0		
							100.00	**170.64**	**17064.00**
26	KSRB 9-2.3 : Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications, Specification No. KBS 9.33								
	(PWD SR 2016-17) Page No. 51 It.No9.10	Cum							
	Main Doors - MD		1.00	10.20	0.100	0.150	0.15		
							0.15		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
						Say	0.15	200787.12	30118.07
27	KSRB 9-2.3 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications, Specification No. KBS 9.33								
	(PWD SR 2016-17) Page No. 51 It.No9.13)	Cum							
	Ground floor								
	Main Doors - MD1		1.00	6.90	0.075	0.125	0.06		
	Doors - D		4.00	6.30	0.075	0.125	0.24		
							0.76		
						Say	0.80	111083.40	88866.72
28	9.106 Providing and fixing flush door shutter made out of solid core black board type, well seasoned chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame all-round do - 40mm thick Both Side Teak								
	(PWD SR 2016-17 Page No.62 It.No9.106.7)	Sqm							
	Main Doors - MD		1.00	2.40	---	2.40	5.76		
						Say	5.80	4086.72	23702.98
29	9.106 Providing and fixing flush door shutter made out of solid core black board type, well seasoned chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame all-round do - 35mm thick One Side Teak & one side commercial								
	(PWD SR 2016-17 Page No.62 It.No9.106.3)	Sqm							
	Main Doors - MD1		1.00	1.20	---	2.10	2.52		
	Doors - D		4.00	0.90	---	2.10	7.56		
							21.64		
						Say	21.70	3313.44	71901.65
30	Providing & fixing of glazed 2 Track-2 Panel Sliding Windows made out of multi Chamered uPVC sections with TPV gaskets having Isolated drainage and reinforced witgh Galvanized iron profiles through out the window. The outer frame having a overall size of 60x45 mm with reinforcement of 1 mm thickness and sash with overall size of 39x58 mm with reinforcement of 1.5mm thickness. Glazing bead for fixing ofglass shall be of size 20x18mm and coextruded with gasket. Windows shall be provided with 5mm plain float glass, standard hardware & single point locking system of flush lock, Wall thickness of frame & sash shall be 2-2.2 mm.								
	(P.No.309, I.No.38.44.1of PW,P & IWTD S.R 2016-17)	Sqm							
	Windows & Ventilators								
	W		10	1.70	--	1.80	30.60		
	Inclined Window IW		4	1.70	--	1.80	12.24		
	Grill window in office		1	1.50	--	1.50	2.25		
	W1		3	1.70	--	1.50	7.65		
	KW		2	1.50	--	1.00	3.00		
	V		2	1.50	--	0.60	1.80		
							57.54		
						Say	57.60	6912.00	398131.20
31	**Fixing of door frame** in and existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50m. including cost of materials, labour charges, complete as per specifications.(P.No.57, I.No.9.80 of PW, P&IWTD SR 2016-17)								
	(P.No.57, I.No.9.80 of PW, P&IWTD SR 2016-17)								
a	Main door D1	Each	1	2.00	-	--	2.00		
	DoorD2		1	4.00	-	--	4.00		
							6.00		
						Say	6.00	1138.32	6829.92

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
32	Providing and fixing **fixtures for Door** incluidng screws etc., complete as per specification and as per the directions by the Engineer in charge (SR2016-17/P.No. XIV, XIII, XIV,XIV,XIV)								
	(SR2016-17/P.No. XIV, XIII, XIV,XIV,XIV)								
a	Tower bolts 300 mm long	**Each**							
			4	6	-	--	24.00	**129.60**	**3110.40**
b	Alluminium handles	**Each**							
			2	6	-	--	12.00	64.80	**777.60**
c	Aldrop	**Each**							
			1	6	-	--	6.00	108.00	**648.00**
d	40 mm Screws	**Each**							
			50	6	-	--	300.00	3.24	**972.00**
e	Hinges 5" heavy	**Each**							
			6	6.00			36.00	**39.96**	**1438.56**
f	Door locks	**Each**							
			1	6.00			6.00	**442.80**	**2656.80**
33	Providing and fixing **M.S.grill work for windows and ventilators** weighing 21 kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifictions. Specification No. KBS 7.12								
	(P.No.32, I.No.7.9 of PW,P & IWTD S.R 2016-17)	**Kgs**							
	Same as window qty		1	57.60	--	21.00	1209.60		
						Say	1210.00	**84.24**	**101930.40**
34	Providing & applying Two coats of wall putty to inside plasterd walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of materials , cost of labour and scafolding etc complete as per specifications.								
	(P.No.126, I.No.15.106 of PW,P & IWTD S.R 2016-17)								
	Same as internal Plastering qty vide item no 25	**Sqm**							
	Walls		--	--	--	--	680.00		
							680.00		
						Say	680.00	**60.48**	**41126.40**
35	Providing & applying Painting in in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thouroughly brushing the surface free from morter drops and other forign mater including preparing the surface even and sand paer smooth, cost of materials, labour complete asper specifications with a) Primer								
	(P.No.117, I.No.15.51.2 of PW,P & IWTD S.R 2016-17)	**Sqm**							
	Wall qty same as item vide item no36		1	--	--	--	680.00		
	for Ceiling - False ciling area		1	12.00		53.00	636.00		
							1316.00		
						Say	1316.00	**97.20**	**127915.20**
36	Providing and applying **painting two coats(including Priming Coat) on new wood surface and/ or wood** based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foregn matter, sand papering including cost of materials, labour complete as per specifications.								
	(P.No.118, I.No.15.59 & 15.60.1of PW,P & IWTD S.R 2016-17)	**Sqm**							
	Grills		2			57.60	115.20		
	Room doors	**1**	4	0.90		2.10	7.56		

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Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Door	1	1	1.20		2.10	2.52		
	Steel columns internal		10	1.20		4.00	48.00		
	Steel columns alang the wall		28	1.00		4.00	112.00		
							285.28		
						Say	285.30	135.00	38515.50
37	KSRB 15-17.12 : Providing and applying polishing with french polish on new wood surface and / or wood based surface to give an even surface after cleaning the surface of all dirt, dust and foreign matter, sand papered smooth, including cost of wood filler and materials, labour, complete as per specifications.								
	(P.No.120, I.No.15.64of PW,P & IWTD S.R 2016-17)	Sqm							
	Main door- both side		2	2.40		2.40	11.52		
	Room Doors- one side		1	1.20		2.10	2.52		
			4	1.00		2.10	8.40		
							22.44		
						Say	22.40	145.80	3265.92
									7,842,779.26
38	Consultancy (PMC Charges) @ 2 %								156,855.59
									7,999,634.84
39	Miscelaneous								365.16
				GRAND TOTAL =					8,000,000.00

CERTIFICATE

1	Certified that this estimate is prepared based on KPWD SR of Bangalore Circle for the year 2016-17,ESR 2014-15 & prevailing market rates for most Economical & safe way of executing the work as per the design and drawings, Quantities & Estimates submitted by the Architect
2	Certificate that, the work spot has been inspected by me & prepared the estimate is most economical way of Excuting the work
3	The above work is included in

Asst. Engineer/ JE
BBMP

Asst Executive Engineer
BBMP

Executive Engineer
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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	(P.No.120, I.No.15.64of PW,P & IWTD S.R 2016-17)	Sqm							
	Main door- both side		2	2.40		2.40	11.52		
	Room Doors- one side		1	1.20		2.10	2.52		
			4	1.00		2.10	8.40		
							22.44		
						Say	22.40	145.80	3265.92
									7,842,506.56
38	Consultancy (PMC Charges) @ 2 %								156,850.13
									7,999,356.69
39	Miscelaneous								643.31
		GRAND TOTAL =							8,000,000.00

CERTIFICATE

1	Certified that this estimate is prepared based on KPWD SR of Bangalore Circle for the year 2016-17,ESR 2014-15 & prevailing market rates for most Economical & safe way of executing the work as per the design and drawings, Quantities & Estimates submitted by the Architect
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